```
Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Gly
   Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu
                              40
                                                 45
           35
5 Asn Tyr Cys Asn
                           55
         50
         INFORMATION FOR SEQ ID NO: 6:
   (7)
                SEQUENCE CHARACTERISTICS:
         (i)
10
                      LENGTH: 107 amino acids
                (A)
                      TYPE: amino acid
                (B)
                      TOPOLOGY: linear
                (C)
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
   Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
                                                                        15
15 1
   Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
                                   25
                  20
   Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
                               40
20 Pro Leu Gly Thr Gly Pro Arg Phe Val Asn Gln His leu Cys Gly Ser
                                                 60
   His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe
                                                                80
                                            75
                          70
   65
   Tyr Thr Pro Lys Thr Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile
                                                                    95
25
                     85
    Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
                                                      110
                 100
                                   105
          INFORMATION FOR SEQ ID NO: 7:
    (8)
30
                SEQUENCE CHARACTERISTICS:
          (i)
                       LENGTH: 150 amino acids
                (A)
                       TYPE: amino acid
                 (B)
                       TOPOLOGY: linear
                 (C)
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
35 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
                                                                            15
                      5
                                                 10
    1
                                          30
```

	Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe						
	20	•	25	30			
Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn							
	35	40	•	45			
⁵ Pro Gln Thr Ser Leu Ser Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn							
	50	55	60				
Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser							
	65	70		75			80
	Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Leu Gly Thr Gly						
10		85	9	0		95	
	Pro Arg Phe Val Asn Gln His leu Cys Gly Ser His Leu Val Glu Ala						
	100	ı	105	110			
Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr							
	115		120		125		
15	.5 Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln						
	130	135	140				
	Leu Giu Asn Tyr Cys Asn						
	145	150					

CLAIMS

WHAT IS CLAIMED IS:

- 1. A chimeric protein comprising, from N-terminus to C-terminus:

 a first peptidyl fragment consisting of an amino acid sequence that has at least 40% identity to a domain containing at least first 20 N-terminal amino acids of human growth hormone (hGH) protein, in which the percentage identity is determined over an amino acid sequence of identical size to the domain of hGH;
- b) an Arg residue, or a Lys residue, or a second peptidyl fragment consisting of at least 2 amino acids in which peptidyl fragment the most C-terminal amino acid residue is an Arg or a Lys residue; and
- c) a third peptidyl fragment consisting of an amino acid sequence containing more than two cysteine (Cys) residues which peptidyl fragment is not a portion of hGH protein.
 - 2. The chimeric protein of claim 1, wherein the first peptidyl fragment consists of an amino acid sequence that has at least 60% identity to the domain of hGH protein.

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- 3. The chimeric protein of claim 1, wherein the first peptidyl fragment is capable of being bound by an anti-hGH antibody.
- 4. The chimeric protein of claim 1, wherein the first peptidyl fragment consists of the amino acid sequence of SEQ ID NO:1.
 - 5. The chimeric protein of claim 1, wherein the first peptidyl fragment consists of the amino acid sequence of SEQ ID NO:2.
- The chimeric protein of claim 1, wherein the second peptidyl fragment consists of the amino acid sequence of SEQ ID NO:3.
 - 7. The chimeric protein of claim 1, wherein the third peptidyl fragment is an insulin precursor.
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- 8. The chimeric protein of claim 7, wherein the insulin precursor is of